

KENWOOD

CD PLAYER

DP-7010

INSTRUCTION MANUAL

KENWOOD CORPORATION

COMPACT
disc
DIGITAL AUDIO

Your choice of this product indicates that you are a devotee to excellence in sound reproduction. We appreciate your patronage and take pride in the long tradition of quality components, that our company represents.

So that you can get the most out of your unit, we suggest that you take the time to read through this manual before you hook up and operate your system.

This will acquaint you with operating features, and system-connection considerations, so that your listening pleasure will be enhanced right from the start. You will notice that in all aspects of planning, engineering, styling, operating convenience and adaptability, we have sought to anticipate your needs and desires.

Keep this manual handy for future reference.

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your dealer for information or service on this product.

Model DP-7010 Serial Number _____

Unpacking

Unpack the unit carefully and make sure that all accessories are put aside so they will not be lost.

Examine the unit for any possibility of shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage.

We recommend that you retain the original carton and packing materials for use should you transport or ship the unit in the future.

CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD CORPORATION
SHIONOGI SHIBUYA BUILDING 17-5, 2-CHOME,
SHIBUYA, SHIBUYA-KU, TOKYO, JAPAN

KENWOOD CORP. CERTIFIES THIS EQUIPMENT
CONFORMS TO DHHS REGULATIONS NO. 21 CFR
1040. 10, CHAPTER I, SUBCHAPTER J.

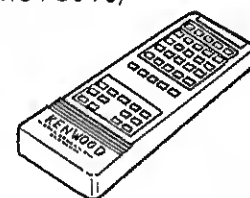
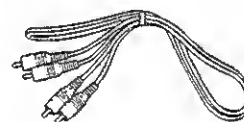
Location: Back Panel

DANGER
INVISIBLE LASER RADIATION WHEN OPEN
AND INTERLOCK FAILED OR DEFEATED.
AVOID DIRECT EXPOSURE TO BEAM.

Location: Inside, near the Laser mechanism.

Accessories

- Audio cord..... 1
- Remote control unit..... 1 (RC-P8010)



- Battery..... 2 ("AA" or "R6")



Contents

Caution: Read the following pages marked in **Δ** carefully to keep your safety.

Δ Before applying power	3	Playing from a particular tune of a program ...	16
Δ Important safeguards	4	Adding a program	16
Before operation	6	Erasing a program	16
Controls and indicators	7	Editing	17
System connections	8	Convenient functions	18
Remote control unit	10	Playing after a required time has elapsed on a track	18
Preparing to play	11	Playing one particular track only	19
Manual play (Track mode)	12	Repeated playing	20
Playing from start	12	EMPHASIS indicator	20
Playing from a particular tune	13	Repeating play between two points	21
Forward and reverse searching	13	Index playing	22
Programmed play (Program mode)	14	Making space between tracks	22
Inputting a program	14	Time display switching and timer playing	23
Checking a program	15	In case of difficulty	24
Changing a program	15	Specifications	24
Playing a program	16		

Important!

U.S.A., Canada, Australia, U.K. and Europe

Units shipped to the U.S.A. and Canada are designed for operation on 120 V AC only.

Units shipped to Australia and U.K. are designed for operation on 240 V AC only.

Units shipped to Europe are designed for operation on 220 V AC only.

These units are not equipped with an AC voltage selector switch and the discussion of such a switch that follows, should be disregarded.

All other countries

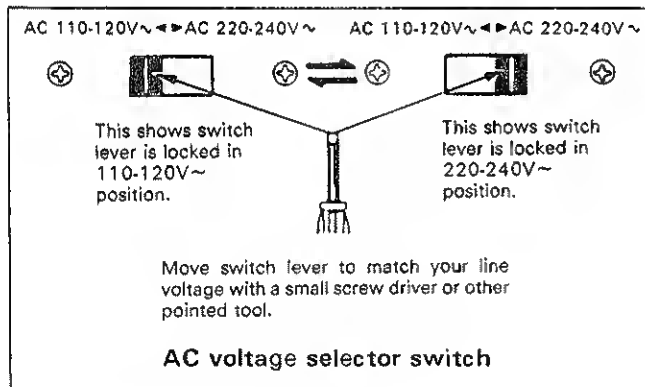
Units shipped to countries other than the above countries are equipped with an AC voltage selector switch on the rear panel. Refer to the following paragraph for the proper setting of this switch.

AC voltage selection

This unit operates on 110-120 volts or 220-240 volts AC. The AC voltage selector switch on the rear panel is set to the voltage that prevails in the area to which the units was shipped. Before connecting the power cord to your AC outlet, make sure that the setting position of this switch matches your line voltage. If not, it must be set to your voltage in accordance with the following direction.

Note:

Our warranty does not cover damage caused by excessive line voltage due to improper setting of the AC voltage selector switch.



For United Kingdom

The mains plug must be removed from the wall socket prior to any internal examination.

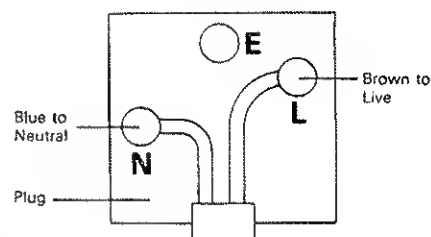
Important

The wires in this mains lead are coloured in accordance with the following code:

Blue Neutral
Brown Live

The wires in this main lead must be connected to the terminals in the plug as follows:

Wire colour	Plug terminal marking
Blue	N or Black
Brown	L or Red







Notes:

- 1) If a 13-amp plug is used, this must be fitted with a 5-amp fuse.
- 2) If a 3-pin plug with earthing contact is used, no wire must be connected to the E terminal.

Safety precautions

WARNING:

TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

 <div style="border: 1px solid black; padding: 5px; text-align: center;"> CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN </div> 	<p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>
	<p>THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.</p>
	<p>THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.</p>

IMPORTANT SAFEGUARDS

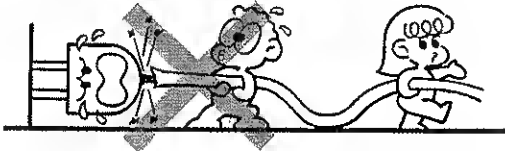
⚠ Caution : Read this page carefully to keep your safety.

Please read all of the safety and operating instructions before operating this unit. For best results, follow all warnings placed on the unit and adhere to the operating and use instructions. These safety and operating instructions should be retained for future reference.

1. Power sources — The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

2. Power-cord protection — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

Never pull or stretch the cord.

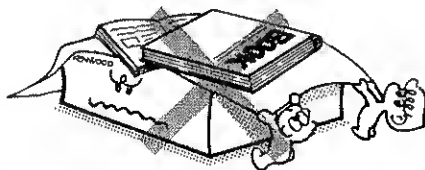


3. Grounding or polarization — Precautions that should be taken so that the grounding or polarization means of this unit is not defeated.

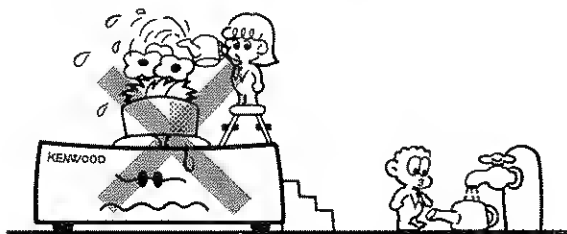
4. Ventilation — The unit should be situated so that its location or position does not interfere with its proper ventilation.

To maintain good ventilation, do not put records or a table-cloth on the unit. Place the unit at least 10 cm away from the walls.

Do not use the unit on a bed, sofa, rug or similar surface that may block the ventilation openings.

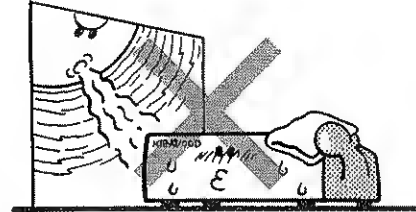


5. Water and moisture — The unit should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

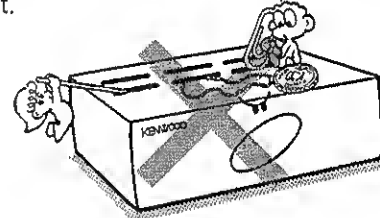


6. Temperature — The unit may not function properly if used at extremely low, or freezing temperatures. The ideal ambient temperature is above +5°C (41°F).

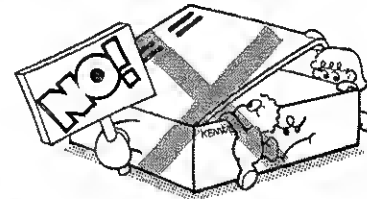
7. Heat — The unit should be situated away from heat sources such as radiators, heat registers, stoves, or other units (including amplifiers) that produce heat.



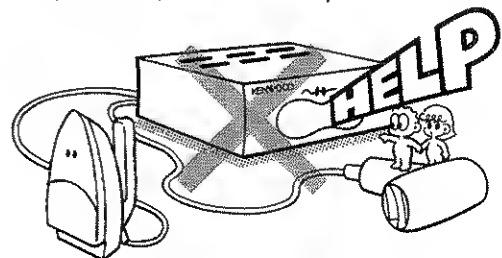
8. Electric shock — Care should be taken so that object do not fall and liquid are not spilled into the enclosure through openings. If a metal object, such as a hair pin or a needle, comes into contact with the inside of this unit, a dangerous electric shock may result. For families with children, never permit children to put anything, especially metal, inside this unit.



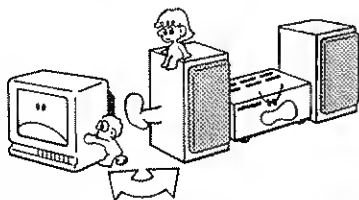
9. Enclosure removal — Never remove the enclosure. If the internal parts are touched accidentally, a serious electric shock might occur.



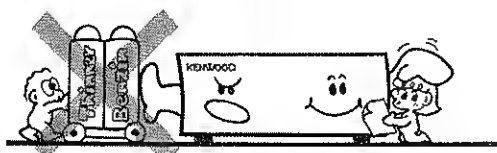
10. AC outlets — Do not connect other audio equipment with a power consumption larger than that specified to the AC outlet on the rear panel. Never connect other electrical units, such as an iron or toaster, to it to prevent fire or electric shock.



- 11. Magnetic fields** — Keep the units away from a source of magnetic fields such as TV sets, speaker systems, radios, motorized toys or magnetized objects.



- 12. Cleaning** — Do not use volatile solvents such as alcohol, paint thinner, gasoline, or benzine, etc. to clean the cabinet. Use a clean dry cloth.



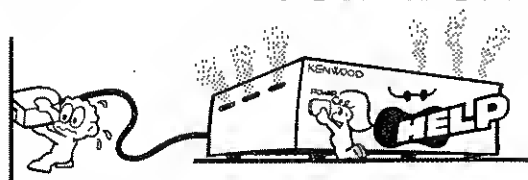
- 13. Carts and stands** — An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



- 14. Nonuse periods** — The power cord of the unit should be unplugged from the outlet when left unused for a long period of time.

- 15. Abnormal smell** — If an abnormal smell or smoke is detected, immediately turn the power OFF and pull out the power cord. Contact your dealer or nearest service station.

POWER OFF!

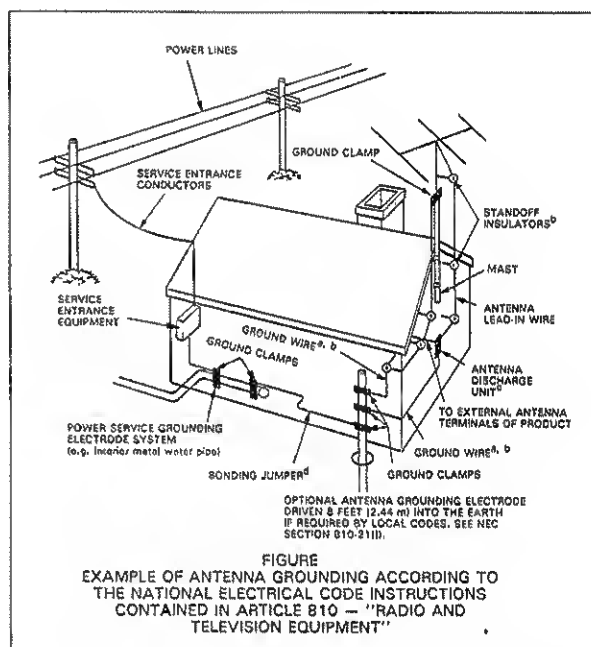


- 16. Damage requiring service** — The unit should be serviced by qualified service personnel when:

- A. The power-supply cord or the plug has been damaged; or
- B. Objects have fallen, or liquid has been spilled into the unit; or
- C. The unit has been exposed to rain; or
- D. The unit does not appear to operate normally or exhibits a marked change in performance; or
- E. The unit has been dropped, or the enclosure damaged.

- 17. Servicing** — The user should not attempt to service the unit beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

- 18. Outdoor antenna grounding** — If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electrical Code, ANSI/ NFPA No. 70—1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure.



^a Use No. 10 AWG (5.3 mm²) copper, No. 8 AWG (8.4 mm²) aluminum, No. 17 AWG (1.0 mm²) copper-clad steel or bronze wire, or larger, as a ground wire.

^b Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4 — 6 feet (1.22 — 1.83 m) apart.

^c Mount antenna discharge unit as close as possible to where lead-in enters house.

^d Use jumper wire not smaller than No. 6 AWG (13.3 mm²) copper, or the equivalent, when a separate antenna-grounding electrode is used. See NEC Section 810-21(j).

- 19. Power lines** — An outdoor antenna should be located away from power lines.

Notes:

- 1. Item 3 is not required except for grounded or polarized equipment.
- 2. Item 10 is not required except for units provided with AC outlets.
- 3. Item 18 and 19 are not required except for units provided with antenna terminals.
- 4. Item 18 complies with UL-1270 in U.S.A.

Before operation

■ Types of disc which can be played with this unit

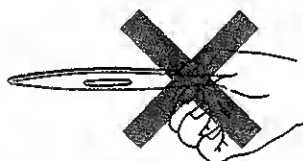
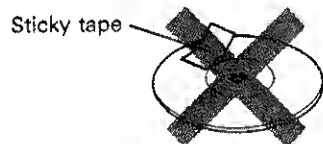
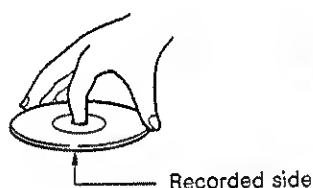
Disc type	Disc size
CD (general compact disc)	12 cm
CD single	8 cm
* CDV (CD with video) audio section	12 cm

* In the case of CDV, the time display and music calendar displays are all for the audio section only.

■ Notes on handling compact discs

Handling

Compact discs are made of plastic (polycarbonate). When the recorded side of the compact disc is dirty or scratched, playback may be noisy or sound may be missed. Even when the label side is scratched, the recording may be damaged. Handle compact discs carefully. Do not stick tape, etc. to compact discs.



Cleaning

When a compact disc is contaminated with fingerprints, etc., wipe with a dry cloth in a radial direction. Never use chemical solvents, such as thinner, benzene, etc. and conventional record cleaners or aerosols.



Storage

Always replace the compact disc in its case and store it. Compact discs are adversely affected by heat and moisture. Do not store compact discs in a place exposed to direct sunlight or where humidity is high.

■ Beware of condensation

Water vapor in the air may condense on cold parts, forming "dew" on its surface.

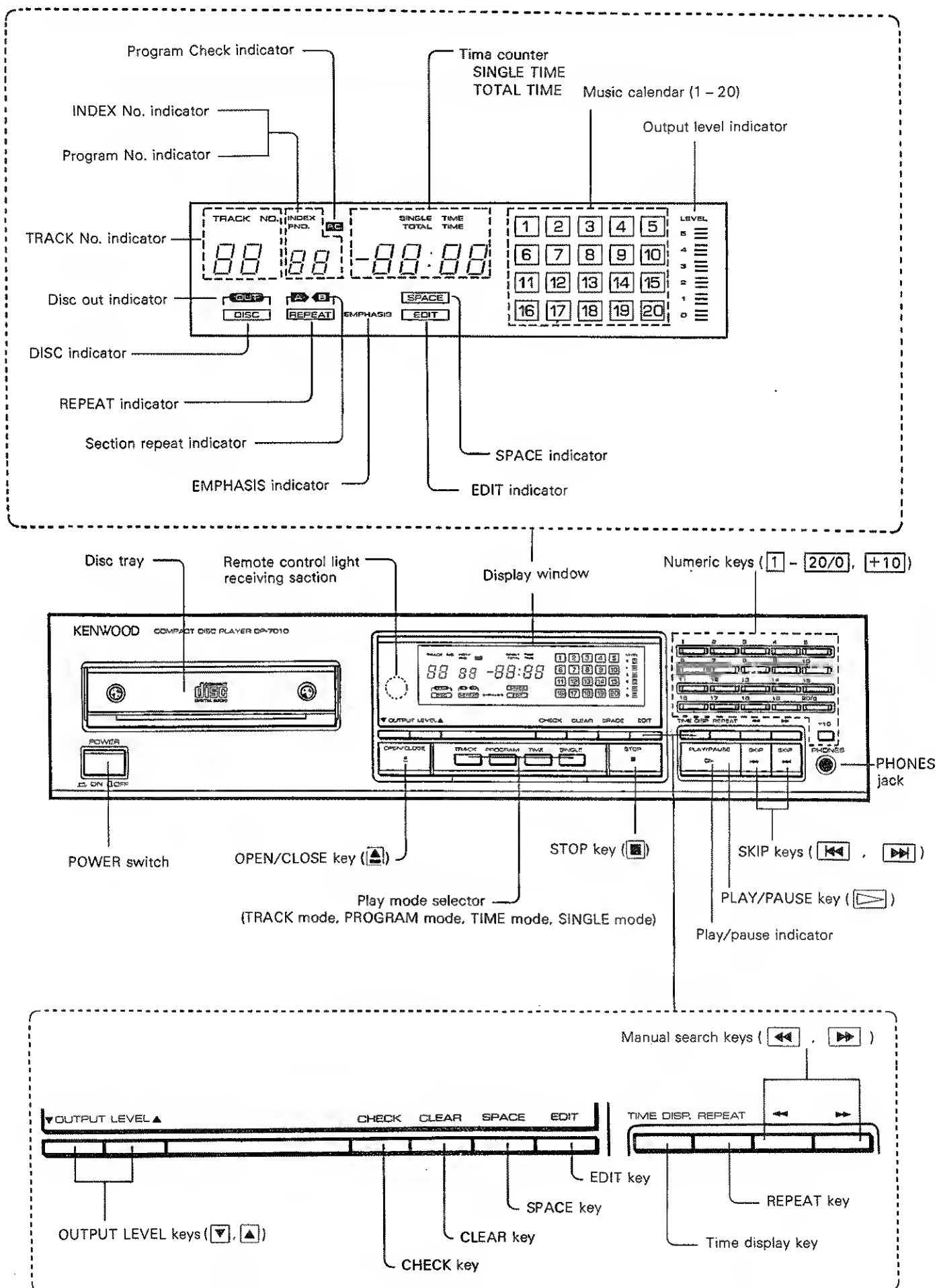
For example, when a bottle is taken out of the refrigerator and brought into a warm room, droplets of water will form on the bottle surface. This phenomenon is called "condensation". If this occurs inside the unit the player may operate incorrectly or may not function at all.

This is not a malfunction, however, the player should be left until it is dry. (Turn the power of this unit ON and leave the player for a while. After several hours, even in the worst

case, the player will stabilize and correct playback will be possible.) Be especially careful in the following cases:

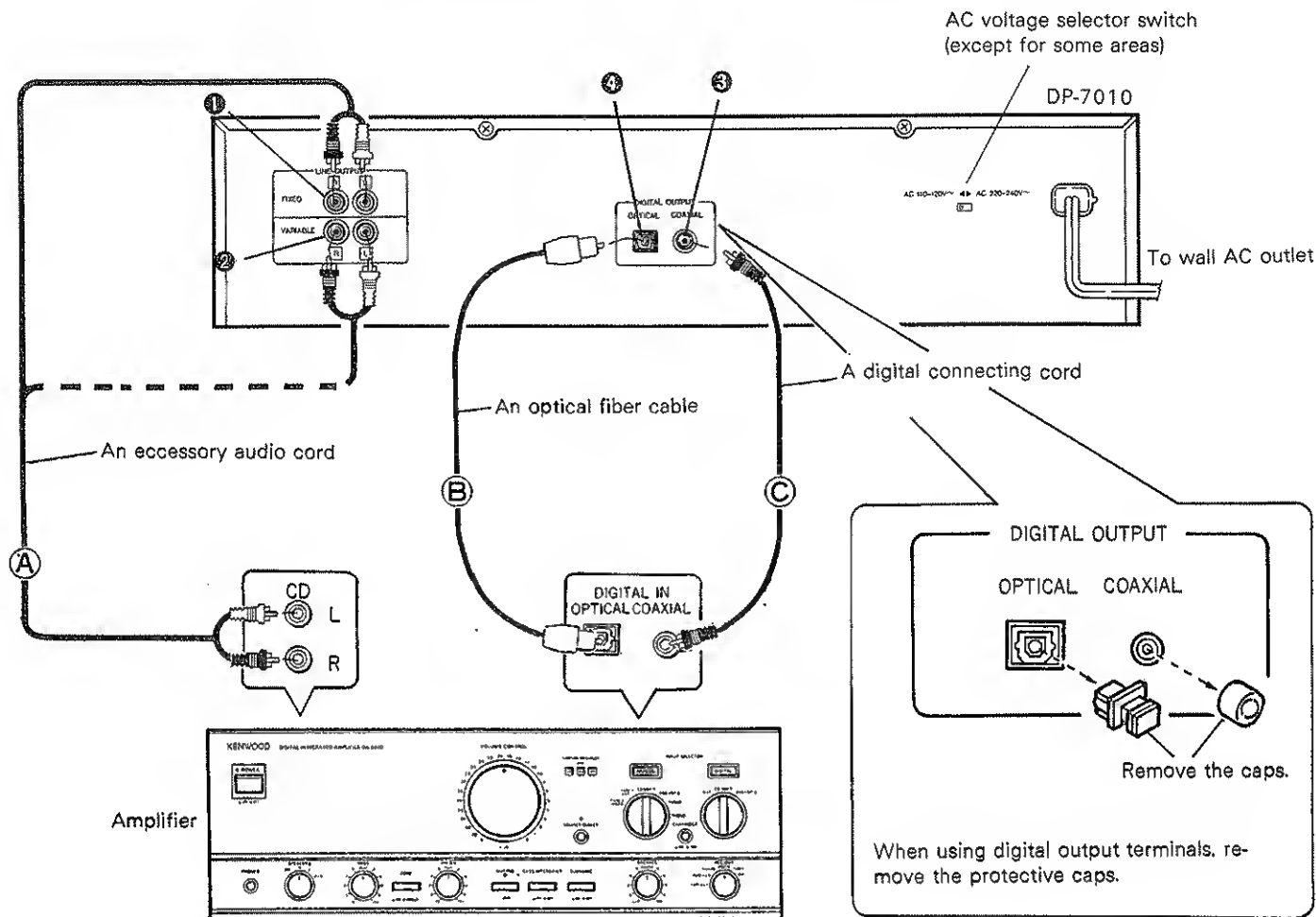
- When the unit is suddenly brought from a cold place to a warm place (causing rapid temperature change).
- When the temperature of the room is raised suddenly using a heater, etc.
- When the unit is brought from a well-cooled (airconditioned) room to a damp and hot room.
- In conditions where the temperature difference between the surroundings and this unit might cause condensation.

Controls and indicators



System connections

Do not put the plug into the socket until the connecting is completed.
Connect having selected one of (A), (B) or (C) below.
Also refer to the manual for the amplifier to which the connection is to be made.



■ Conventional amplifier connection (A)

Connect output terminal (LINE OUTPUT) ① or ② to the CD input terminal of the amplifier with the accessory audio cord supplied.

① Fixed output (FIXED):

Output voltage is fixed to 2 Vrms. Use these stereo output jacks for connection to a typical amplifier or receiver.

② Variable output (VARIABLE)

The output level of the head phones and the VARIABLE output level can be changed simultaneously by means of the OUTPUT LEVEL keys on the front (▼, ▲) or remote control.

The output levels are indicated on the display. Use this when you want to match the output levels with other equipment.

■ Connection to an amplifier equipped with digital input (B or C)

Connect COAXIAL input terminal of the amplifier to the DIGITAL OUTPUT COAXIAL ③ with a digital cord, or connect OPTICAL input terminal of the amplifier to the DIGITAL OUTPUT OPTICAL ④ with an optical fiber cable.

③ DIGITAL OUTPUT COAXIAL

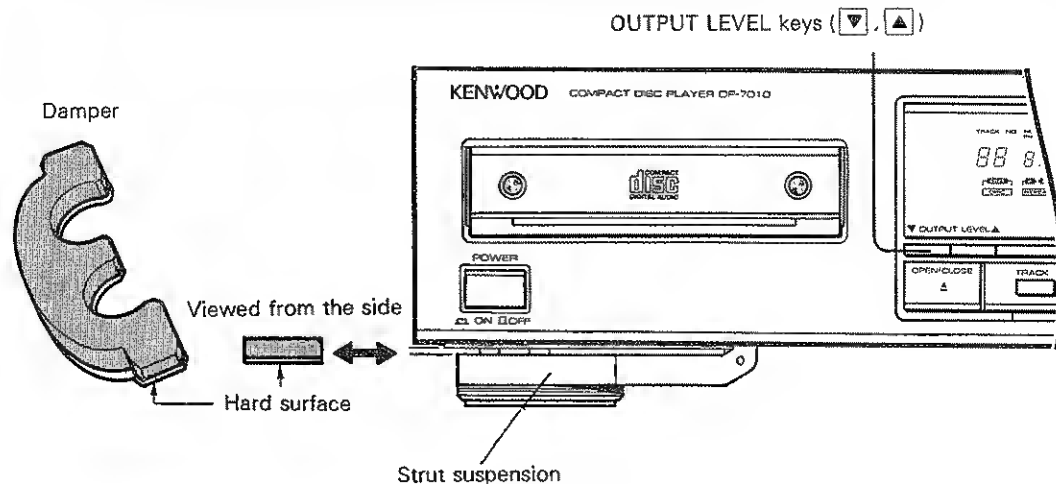
This terminal is for outputting the audio signals in the original digital code.

Do not connect it to anything other than the digital input terminal of the amplifier because this could risk damaging the amplifier and speaker.

④ DIGITAL OUTPUT OPTICAL

This terminal is for converting and outputting the audio signals from digital to optical.

Connect it to the digital amplifier attached to the optical input terminal. When using this terminal, remove the protective cap.

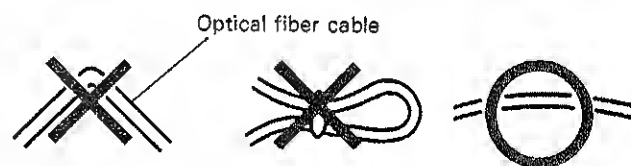


Strut suspension adjustment

Dampers are provided on the 4 legs of this unit for the strut suspension (see figure above). The suspension can be adjusted by attachment or removal of these dampers. Use them if you feel they are required for sound quality. Turn the unit over when attaching or removing the dampers. We recommend that you do not place other components on top of this unit as it will impair the suspension effect.

■ Connecting optical fiber cable

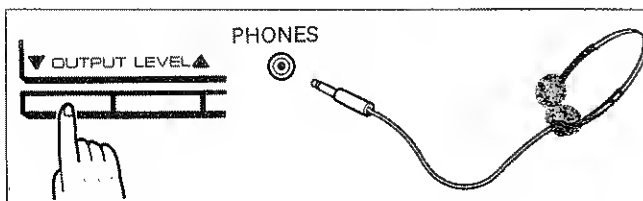
1. When connecting the optical cable, insert it straight until you hear it click into place.
2. Never bend or tie the optical fiber cable.



3. Not all optical cables available on the market can be used. If you cannot connect up, consult the store where you bought it from or your nearest sales outlet.

■ Connecting power cord

It is useful to connect the power cord for this unit to the linking power socket (SWITCHED) of an amplifier. (Except for some areas)

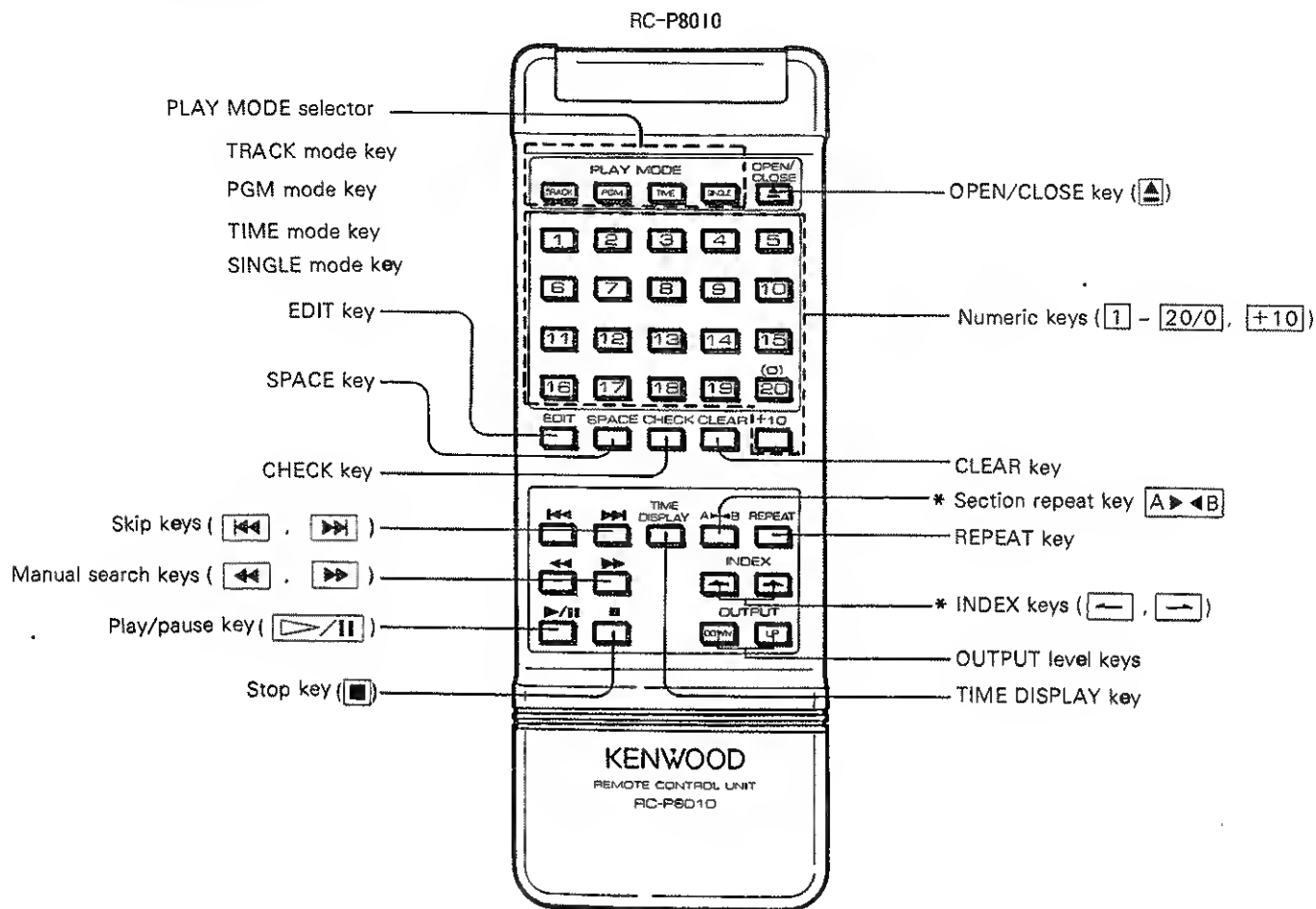


Using stereo headphones

Plug the stereo headphone into the PHONES terminal and adjust with the OUTPUT LEVEL keys (▼, ▲) to get the desired volume.

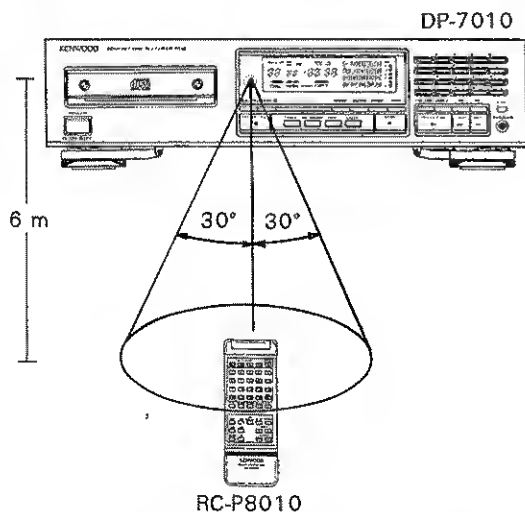
Remote control unit

Most keys have the same functions as the front panel controls.
Functions of keys with * are available only on remote control unit.



Operating range of remote control unit

This functions as shown in the diagram below, although there can be variations depending on the temperature, humidity and place of use.



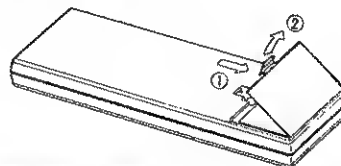
Note:

Press the remote control operating keys at intervals of at least one second. If you press the next key too quickly, incorrect operation may sometimes occur.

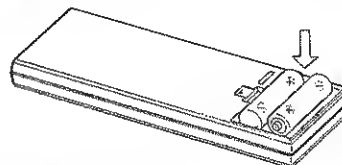
Supplying batteries for the remote control unit

Load two "R6", "AA" type batteries in the remote control unit as shown in the illustration.

1. Remove the cover.



2. Insert batteries with correct polarity, and close the cover.

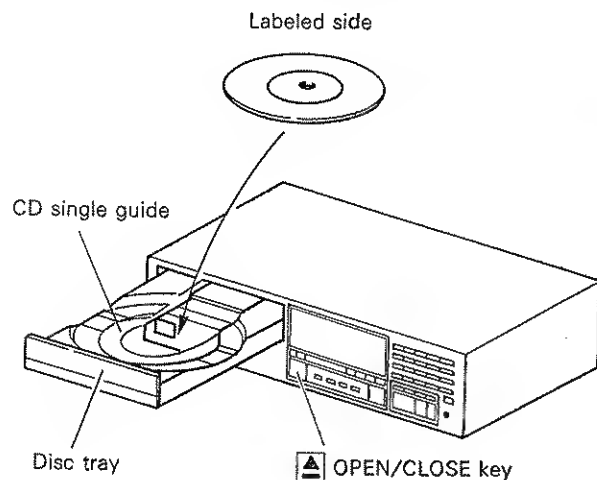


Note:

The provided batteries are to be used for operation of the remote control unit, and they may have shorter life than normal.

When the remote control unit becomes effective only for shorter distance or is not effective for operation, replace them with two new batteries.

Preparing to play

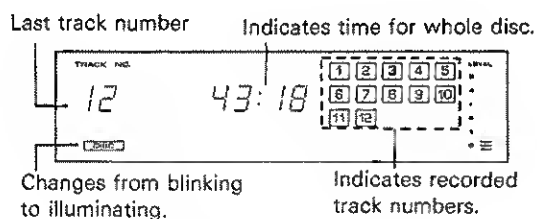


When the power has been turned on



Illuminates when a disc has not been put in.

When putting in disc





Several minutes later





Indicates first track number and remains at standby.

■ Loading a compact disc

1. Press the POWER switch to turn on.
2. Press the OPEN/CLOSE key  to make the tray slide out.
3. Place the disc in the tray with the labeled side up.
 - Place CD singles (8 cm) right on the guide in the center of the tray.
4. Press the OPEN/CLOSE key  again to make the tray slide back in.

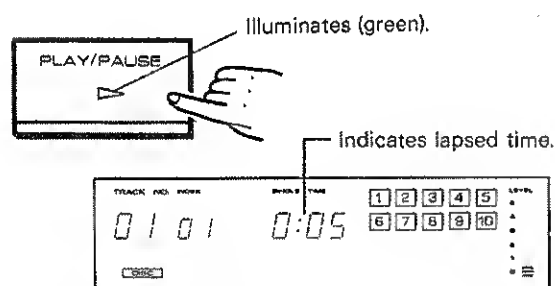
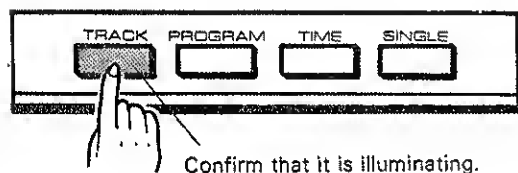
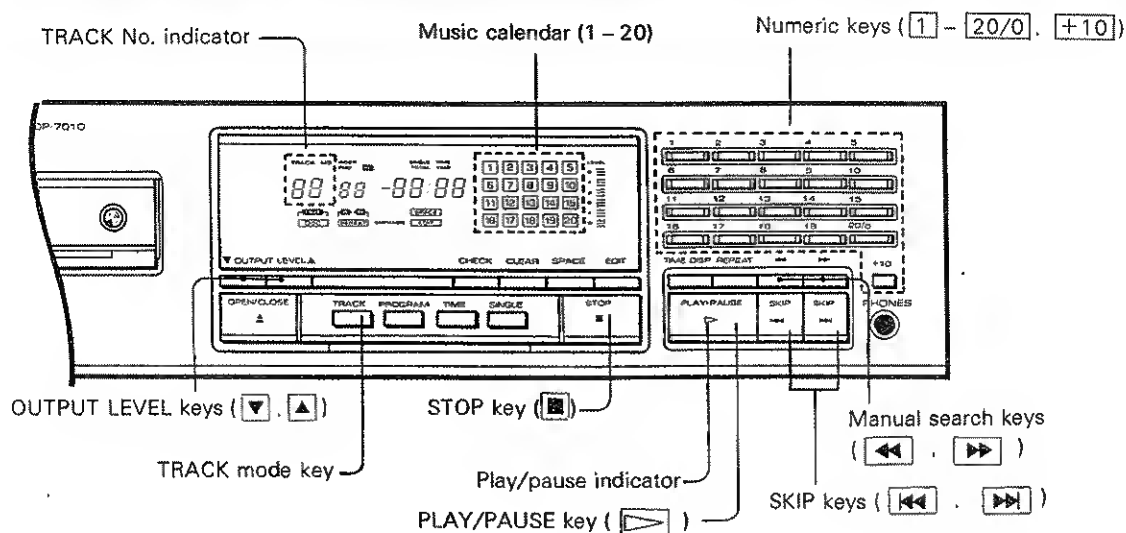
■ Removing a disc

1. Press the OPEN/CLOSE key .
 - The tray will slide open.
2. Take the disc out of the tray.
3. Press the OPEN/CLOSE key  again to make the tray slide back in.

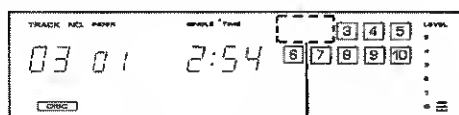
Notes:

1. Make sure that the disc is the right way up. The disc cannot be played if it is placed upside down.
2. Do not place objects other than discs on the disc tray.
3. Be sure to place the disc correctly.

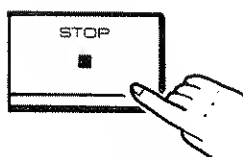
Manual play (Track mode)



Example showing pause at third track



The numbers of the tracks already played are erased in order.



■ Playing from start

Checking the play mode

Confirm that the TRACK mode key is illuminated.

- The track mode is selected automatically when the power is turned on.
- Press the TRACK mode key if necessary to set to the TRACK mode.

Playing

Press the PLAY/PAUSE key (▶).

- After a few seconds play will start from the first track.
- If a disc has already been put in, play will start automatically from the first track when the power is turned on.

Pausing play

Press the PLAY/PAUSE key (▶).

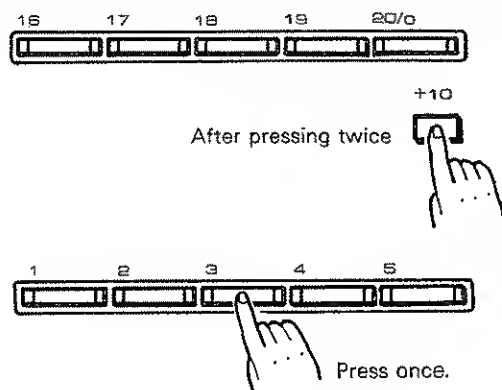
- The Play/pause indicator (▶red) will blink and play will stop at that point.
- When the PLAY/PAUSE key (▶) is pressed again, play will resume from that point.

Stopping play

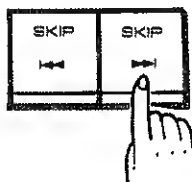
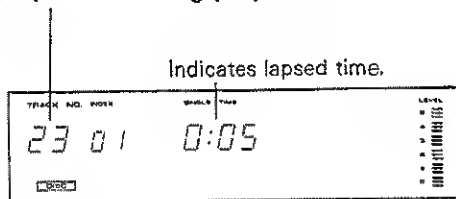
Press the STOP key (■).

- The Play/pause indicator (▶) goes out and the play stops.

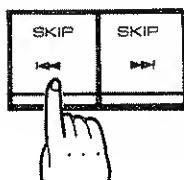
Exempla: When starting play from 23rd track



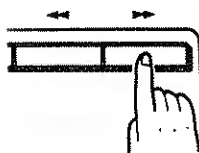
Exempla of starting play from 23rd track



When this key is pressed while the player is stopped, play will start from the beginning of the second track.



When this key is pressed while the player is stopped, play will start from the beginning of the last track.



When one of these keys is pressed during play you will hear a cueing sound as the pickup moves forward or backward across the disc. If you release the key referring to this sound, normal play will be returned from that point.

■ Playing from a particular tune

1. Confirm that the TRACK mode key for the play mode selector is illuminating.

- If another one is illuminating, press the TRACK mode key.

2. Input the track numbers you want with numeric keys [1] - [20/0] and the [+10].

Input examples

To select the 23rd track, first press the [+10] key twice, then press the number [3] key.

To select the 40th track, first press the [+10] key four times, then press the [20/0] key.

- The track numbers will appear on the TRACK No. indicator and play starts.

Notes:

1. If you press a number which is larger than the number of tracks on the disc, the last track will automatically be played. (This will be the same on operation of numeric keys after this.)
2. When more than 20 tracks are specified, the music calendar is not displayed.
3. The numeric keys [20/0] is used when selecting track number "20" or specifying the second digit of 30, 40, etc. as "0".

■ Skipping ahead in a program

Press the SKIP key [▶▶] while looking at the TRACK number on the display.

- Press once to advance to the next track. Press repeatedly or keep the key depressed to advance several tracks ahead.
- Play will start from the beginning of the selected track.
- Play can also be started during a pause by operating the SKIP keys and pressing the PLAY/PAUSE key [▶] after selecting the track.

■ Skipping backward in program

Press the left SKIP key [◀◀] to go back to the start of the current or previous track.

- When the [◀◀] key is pressed once during play, the track starts again from the beginning.

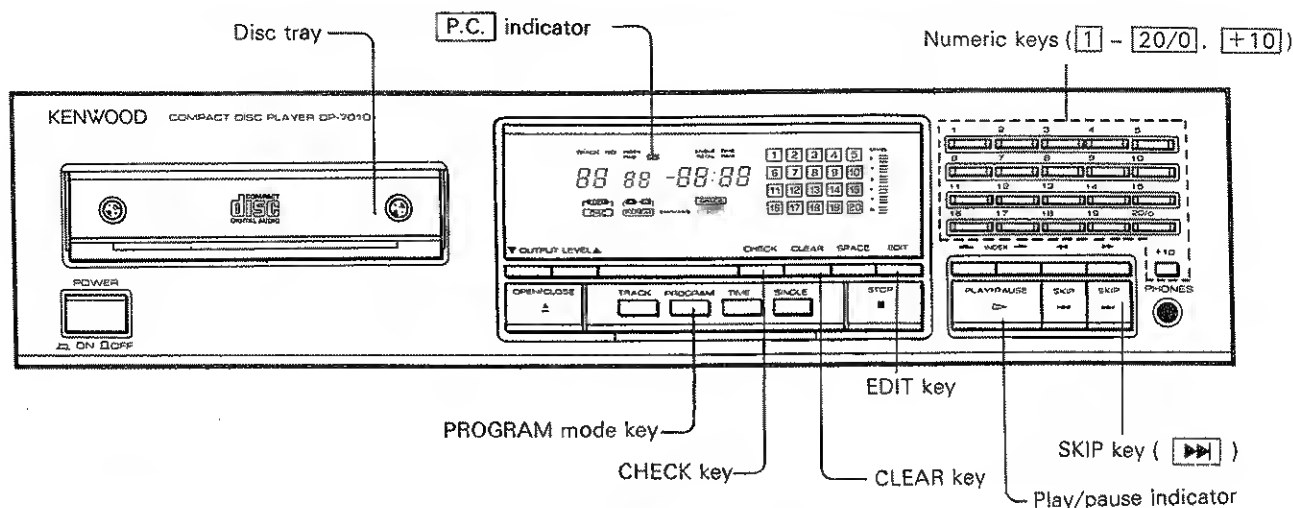
■ Forward and reverse searching

During play you can search forward (or backward) at high speed by pressing the manual search keys [▶▶] (or [◀◀]).

- If you keep either of the keys pressed down, the search will stop when it reaches the end of the last track or the beginning of the first track. However, fast forward (or backward) search will continue if it is during repeated play.

Programmed play (Program mode)

You can program any tracks in any order. A single program can include up to 20 tracks.



When play mode put to program mode

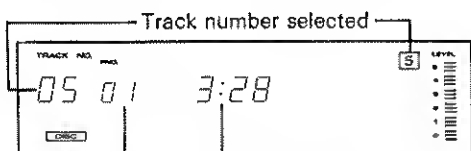


Illuminates



Indicates the number of the tracks recorded.

Example of 5th track being programmed



Program number

Time required

Index number

Several seconds later



Indicates first program number.

When track number beyond 43 selected



Program enabled, but time not displayed.

Inputting a program

1. Play mode selection

Press the PROGRAM mode key of the play mode selector once.

- You can also keep the tray slid out to program while looking at the disc label.

2. Select the desired track numbers with numeric keys 1 - 20/0 and +10.

- Example: While the display is as indicated in the diagram on the left when [5] is pressed, you can program the next track without waiting for the display to change.
- While the tracks are being programmed, the Play/pause indicator (▶) blinks green.

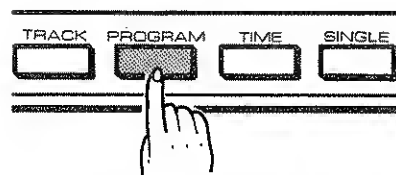
3. You can specify up to 20 programs in the same operation.

- If you select a wrong track number, press the clear key, then select the numeric key of desired track again.
- When track numbers are specified which are not recorded in the disc with the tray slid out, these numbers are initially programmed. But when the tray is slid back in again, they are automatically canceled.

- When track numbers beyond 43 are selected, the total time of the program is not displayed.

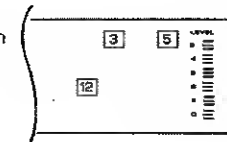
If no particular tracks are programmed while in the program mode, all the tracks are programmed if the PROGRAM key is pressed once more. In such a case the intervals between the tracks may become smaller.

When pressing PROGRAM mode key again after programming tracks to be excluded

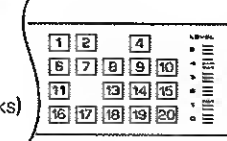


(Example of CD with 20 tracks)

Tracks to be excluded



Reversing

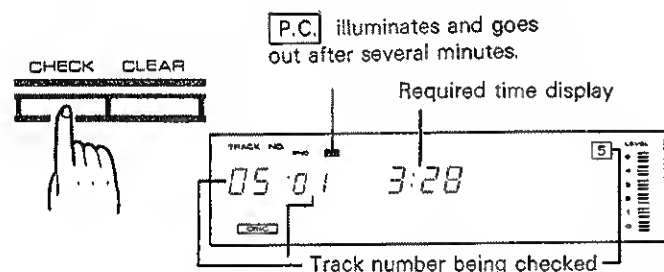


Programmed tracks

■ Programming by excluding particular tracks (Reverse programming)

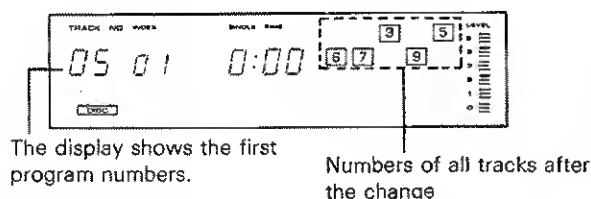
1. Here programming is done by specifying the tracks you wish to exclude in accordance with "Inputting a program" (see Page 14).
2. Press the PROGRAM mode key again in the program mode (only when stopped or the disc tray is open).
 - The tracks programmed as described above and the remaining tracks are programmed in reverse.
 - This function is only effective for up to track number 20.

Example of when the CHECK key is pressed

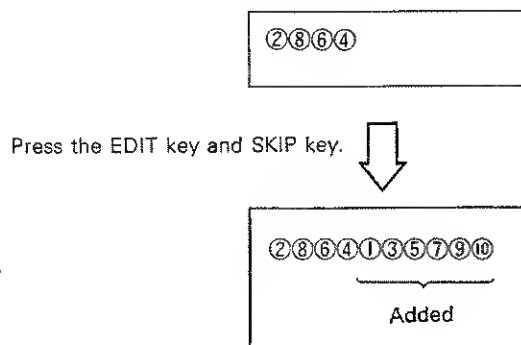


The display shows the program numbers (P No.) being checked and then returns to INDEX No. after several seconds.

Example of when the CHECK key is pressed



Example of when a program is changed



■ Checking a program

Press the CHECK key to confirm program contents.

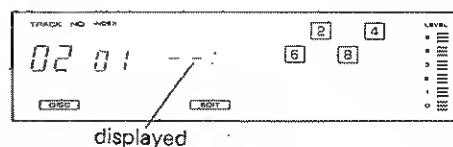
- Each time you press the CHECK key, the display advances by one track (from the start of the program) and shows the required playing time to the beginning of that track.

■ Changing a program

1. Press the CHECK key until the display shows the track number that you wish to change.
2. Press the CLEAR key once.
3. While the [P.C.] is illuminating, input your desired track number by using the numeric keys.
 - Tracks being played cannot be changed.

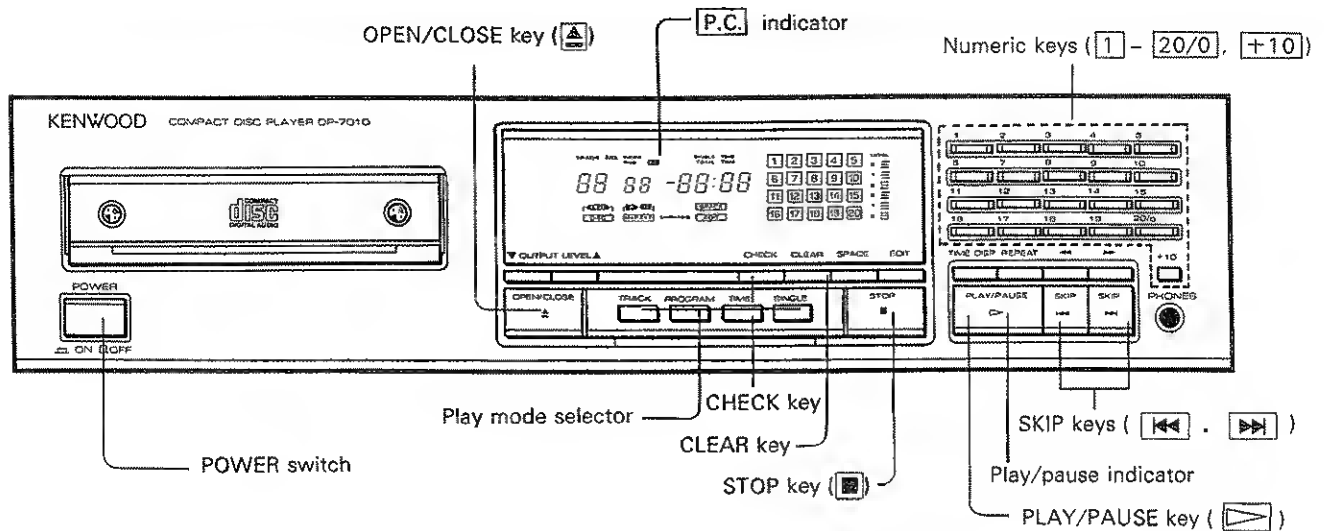
■ When programming particular tracks first and the remaining tracks in order

1. Program the particular tracks only.
2. Press the EDIT key when the player is not operating.





3. Press the SKIP key when ---: appears on the display.
 - All the remaining tracks are automatically added to the program.

Programmed play







■ Playing a program

After completing the programming, press the **PLAY/PAUSE** key .


- The play/pause indicator () stops blinking and illuminates continuously. Then your tracks are played as you programmed them.
- After each track is played, its track number disappears from the music calendar.
- If you press the **PLAY/PAUSE** key  when not in the programming mode, only the first track on the disc will be programmed, and it will stop after that track is played.

■ Playing from a particular tune of a program

1. Press the **SKIP** key  to advance to the next program.
2. Press the **SKIP** key  to go back to the program or previous program.
 - The play starts from the beginning of the selected track.
 - If you press the  once during play, it starts from the beginning of that track.
 - If the SKIP key has been operated during a temporary pause, play is started by pressing the **PLAY/PAUSE** key .

■ Stopping programmed play

Press the **STOP** key .

- If you then press the **PLAY/PAUSE** key , the play starts once more from the beginning of the program.

■ Adding a program

Program contents can be added halfway as follows.

1. Press the **CHECK** key and have the program number for the place where you want to insert tracks displayed.
2. While the **P.C.** is illuminating, press the track numbers you want with numeric keys **1** - **20/0**, **+10**.
 - The contents are added to the program number indicated by 1, and the rest of the original program follows on behind.

When adding to the end


Program contents can be added to the end simply by pressing the desired track numbers with the numeric keys in the program mode.

■ Erasing part of a program

1. Press the **CHECK** key and have the track numbers you want erased displayed.
2. While the **P.C.** is illuminating, press the **CLEAR** key.
 - It is also possible to erase the program contents from the last one in order by pressing the **CLEAR** key without pressing the **CHECK** key.

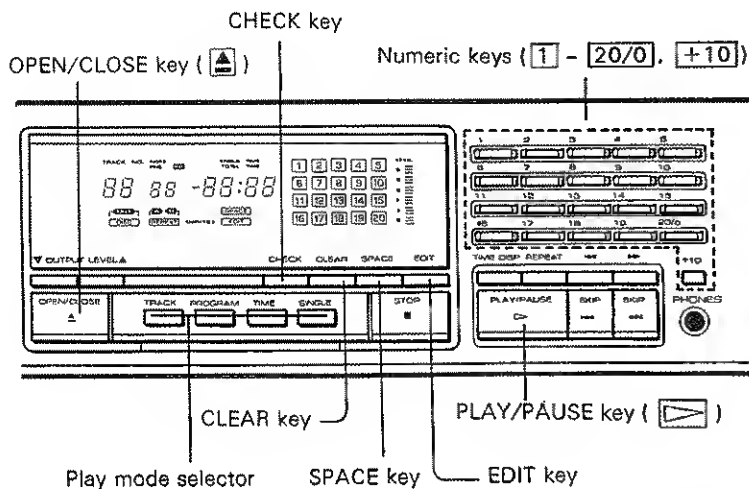
■ Erasing a program

All program contents will be erased if you perform any of the following operations.

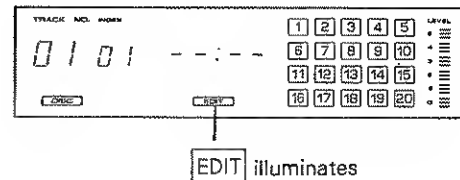
- ① Pressing the play mode selector and selecting other than program mode.
- ② Pressing the **OPEN/CLOSE** key  when the tray is closed.
- ③ If the player is stopped and you press the **CLEAR** key as many times as there are tracks on the program.
- ④ Turning off the power.

Editing

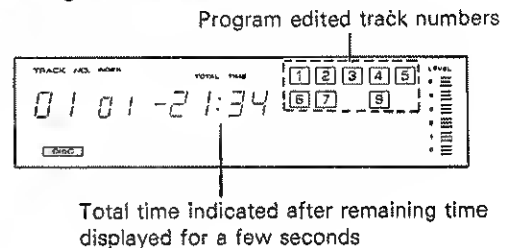
This is a function whereby tracks are selected and programmed automatically at set times. It is useful for when recording on cassette tapes.



When EDIT key is pressed



When editing is completed



■ Editing track numbers in order

1. Press the EDIT key when the player is stopped.
 - Play mode changes to program mode.
2. While the EDIT indicator is illuminating, set the time from 1 to 99 minutes with the numeric keys.

Example: When wishing to edit within 23 minutes
Press the +10 key twice and 3 key once.

- The editing function starts and the track numbers to be stored within the set time are program edited automatically from the first one.

■ Editing from a particular track

(Example: When editing from the 6th track)

After programming track number 6 only, press the EDIT key and input the time.

■ Checking contents of edited program

Press the CHECK key.

- Each time the CHECK key is pressed, thereafter, the track numbers are displayed from the first one on in the order they were edited.

■ Playing

Press the PLAY/PAUSE key (▶).

- Recordings with little waste can be made on tapes of a length corresponding to the time set when editing.

■ Erasing a edited program

All the edited program contents will be erased if you perform any of the following operations:

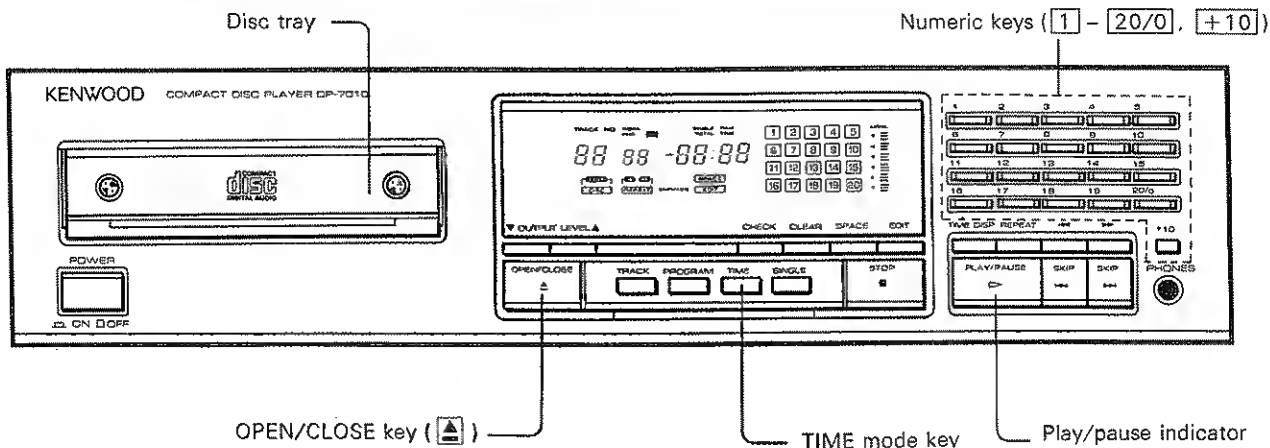
- ① Pressing the play mode selector and selecting other than program mode.
- ② Pressing the OPEN/CLOSE key (▲) when the tray is closed.
- ③ If the player is stopped and you press the CLEAR key as many times as there are tracks in the program.
- ④ Turning off the power.

Notes:

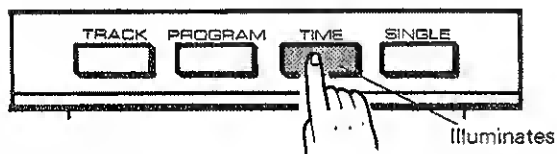
1. Up to a maximum of 20 tracks can be edited using this function.
2. When editing after having programmed particular tracks of more than two, if these programmed tracks are given priority and there is set time to spare, tracks which have not been programmed will automatically be added.
3. If even one track is programmed beyond track number 43, the editing function will not operate.

Convenient functions

TIME mode playing

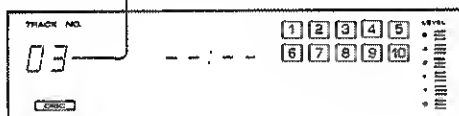


Press the **TIME** for play mode selector.

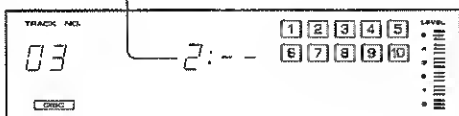


Example: When you want to play from a point 2 minutes 15 seconds in the 3rd track

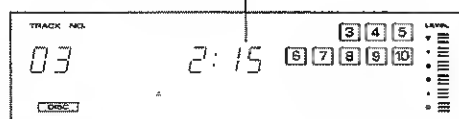
Inputting **3** (track)



Inputting **2** (minutes)



Inputting **15** (seconds)



Automatically starts playing from 2 minutes 15 seconds in the 3rd track.

■ Playing after a required time has elapsed on a track

1. Press the TIME mode key.
2. Input the desired track number with numeric keys **1 - 20/0**, **+10**.
3. Input the time lapse to the point you want the track to start playing with the numeric keys.
 - A few seconds after the play/pause indicator (▷) illuminates, the track starts playing from the point specified.
 - If you specify a time greater than the playing time for the desired track, it starts playing from the beginning.
 - If the tray is open, operation is the same. When you specify the track and time, the disc tray will close and play will begin automatically.

■ Canceling TIME mode

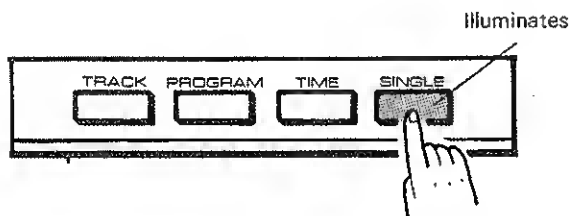
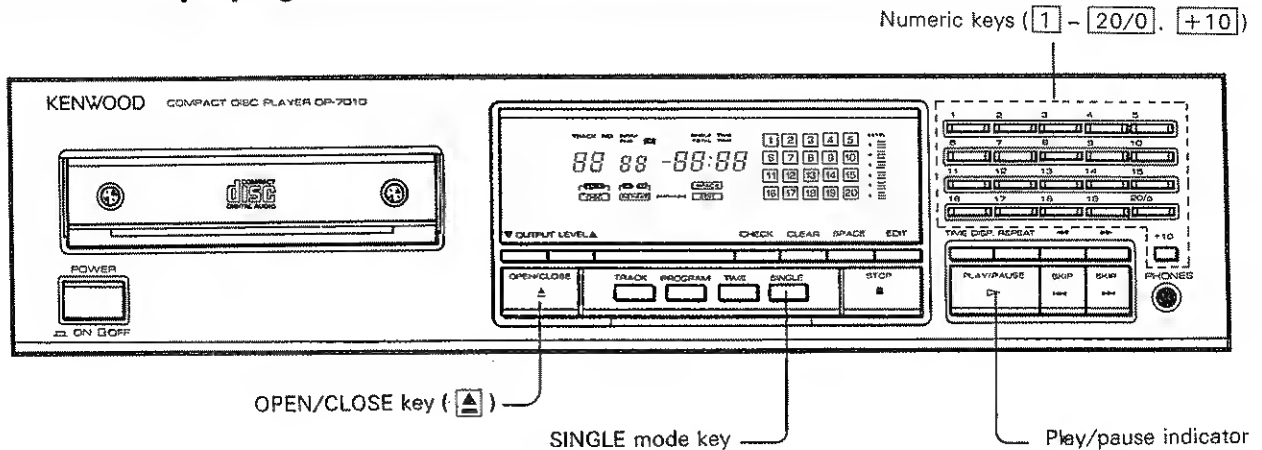
Switch the play mode selector to another mode (TRACK mode, SINGLE mode, etc.).

- The TIME mode can also be canceled by pressing the OPEN/CLOSE key (⏏).

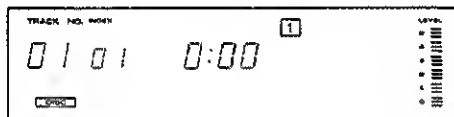
Note:

If you specify the time using the label and other time displays, the timing for the start of playing may be slightly out.

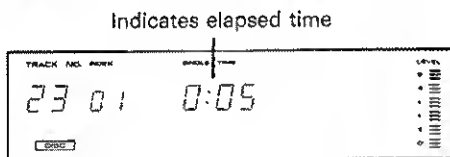
SINGLE mode playing



When SINGLE mode key pressed



Example showing 23rd track specified



■ Playing one particular track only

You can play one track you like only.

1. Press the SINGLE mode key.
2. Input the desired track number with numeric keys 1 - 20/0, +10.

Input example

For track 23 press +10 twice and then 3 once.

- The play/pause indicator (▷) illuminates and the desired track starts playing.
- If the tray is open, operation is the same.

■ Finishing play after current track

Press the SINGLE mode key while using another play mode (TRACK mode, PROGRAM mode, TIME mode).

- The player stops when the track currently being played finishes.

■ Canceling SINGLE mode

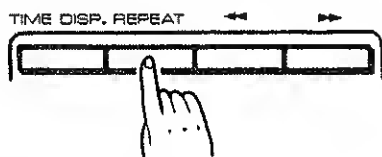
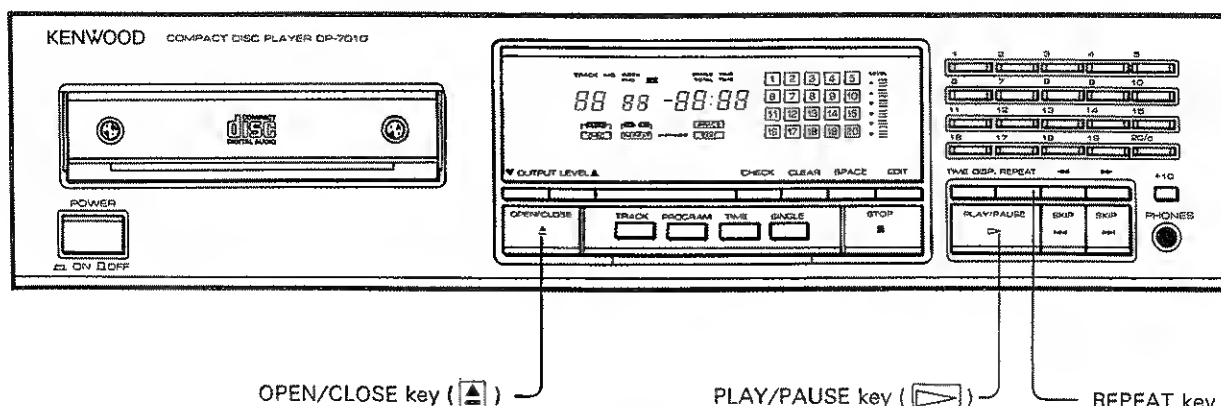
Switch the play mode selector to another mode (TRACK mode, PROGRAM mode, TIME mode, etc.).

- The SINGLE mode can also be canceled by pressing the OPEN/CLOSE key (▲).

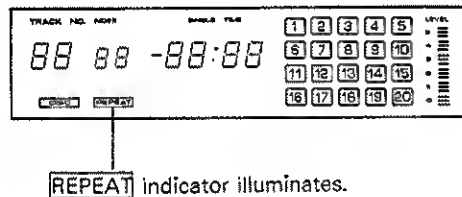
Note:

If you specify a track number higher than the number of tracks on the disc, the last track on the disc will be played.

Repeated playing



When pressing REPEAT key



REPEAT indicator illuminates.

■ Repeated playing

1. Press the REPEAT key.


- The **REPEAT** indicator illuminates.

2. Press the PLAY/PAUSE key .

- When in the track mode, all the tracks on the disc are played repeatedly.
- When in the program mode, all the tracks programmed are played repeatedly.
- When in the single mode, one track only is played repeatedly.

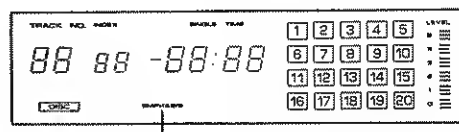
■ Canceling repeat operation

Press the REPEAT key once more.

- Repeated playing can also be canceled by pressing the OPEN/CLOSE key .

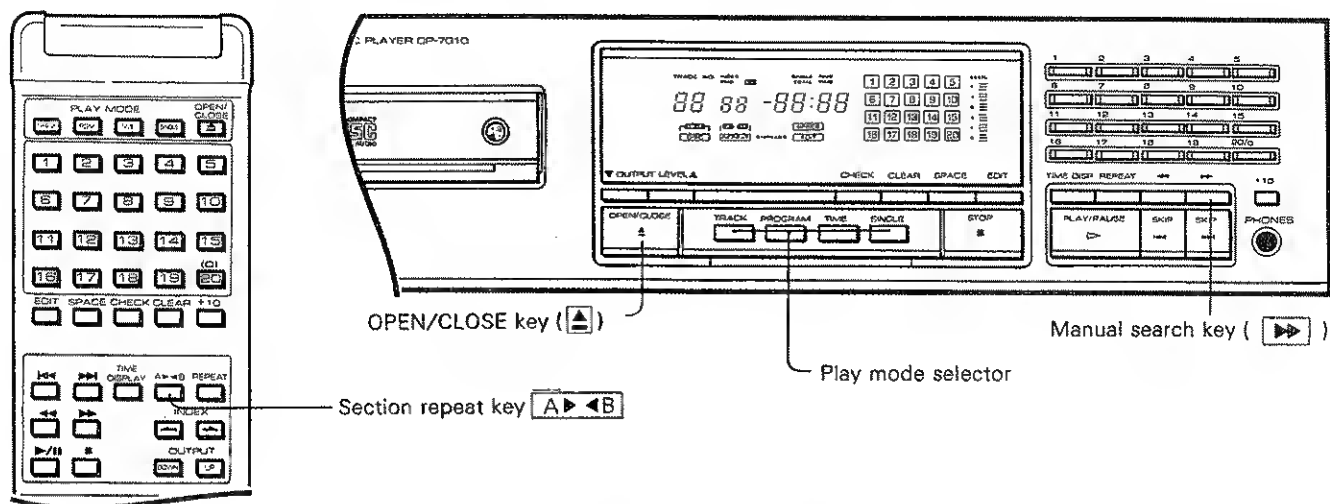
EMPHASIS indicator

When a track with pre-emphasis (high-area emphasis) is played, the DE-EMPHASIS (high-area compensation) circuit is activated and the EMPHASIS indicator illuminates.



EMPHASIS illuminates (red).

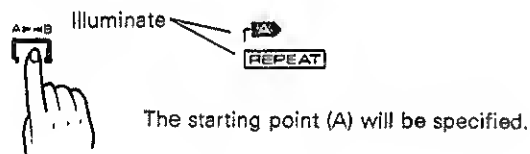
Section repeat operation can be done only by remote control unit.



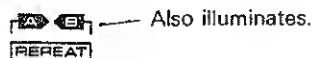
■ Repeating play between two points

This function is useful to listen to a particular section of the disc repeatedly.

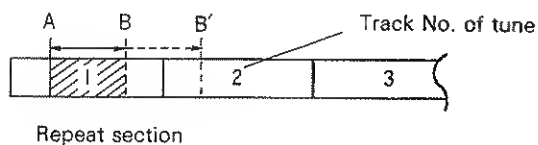
When pressing the section repeat key



When pressing the section repeat key again



The end point (B) will be also specified.



1. While listening to the music in any play mode, press the repeat section key **A▶◀B**.

- The starting point (A) will be specified.

2. Keep listening or use the forward manual search key **▶▶** to advance rapidly and press the section repeat key **A▶◀B** again.

- At the same time the point (B) illuminates to indicate the end of the repeated play, there is a return to point (A) in readiness for playing the same section of music again.
- You can also specify the end point (B) at a few tracks beyond the point (A).
- A section spanning a number of tracks cannot be specified when in the program mode.

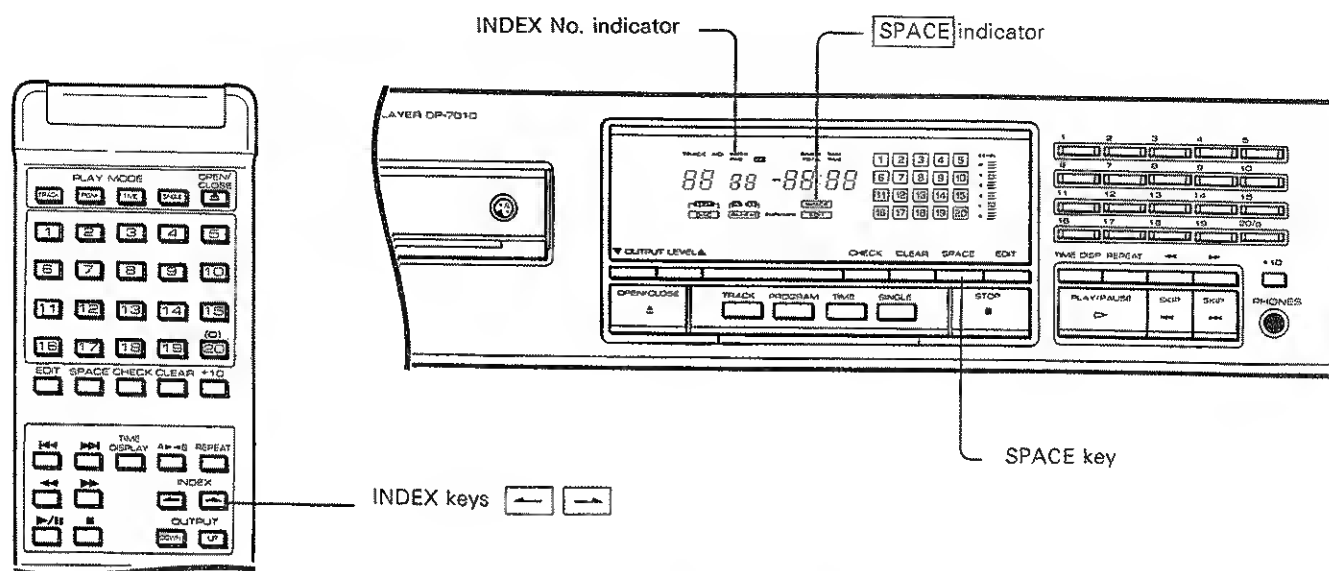
■ Canceling interval section repeat

Press the section repeat key **A▶◀B** once more.

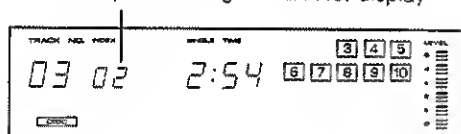
- It can also be canceled by pressing the play mode selector key and switching to another mode.
- Section repeat can also be canceled by pressing the OPEN/CLOSE key **▲**.

Convenient functions

Index playing can be done only by remote control unit.



Example showing INDEX No. display



Index playing

Any number of points within single popular medley and classical music tracks can be marked off by index recorded numbers.

This kind of disc can be played from the points indexed on the track by pressing the INDEX key (or SPACE key) on the remote control unit during play or during a pause.

- Even with disks in which index number for specific purposes are not recorded, by pressing the INDEX key continuously the numbers on the display are made to change (increase or decrease). When you release your finger, there is a return to INDEX No. 01 and the play starts from the beginning.

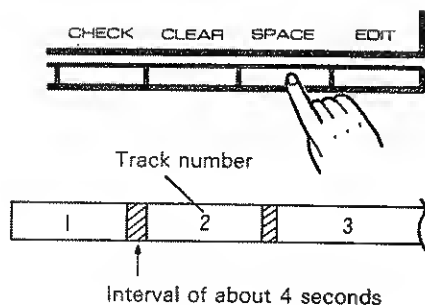
Making space between tracks

This function automatically creates an interval of about four seconds between tracks. This is used to find out the beginning of a track.

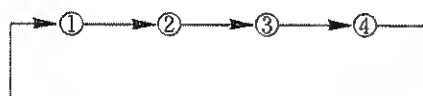
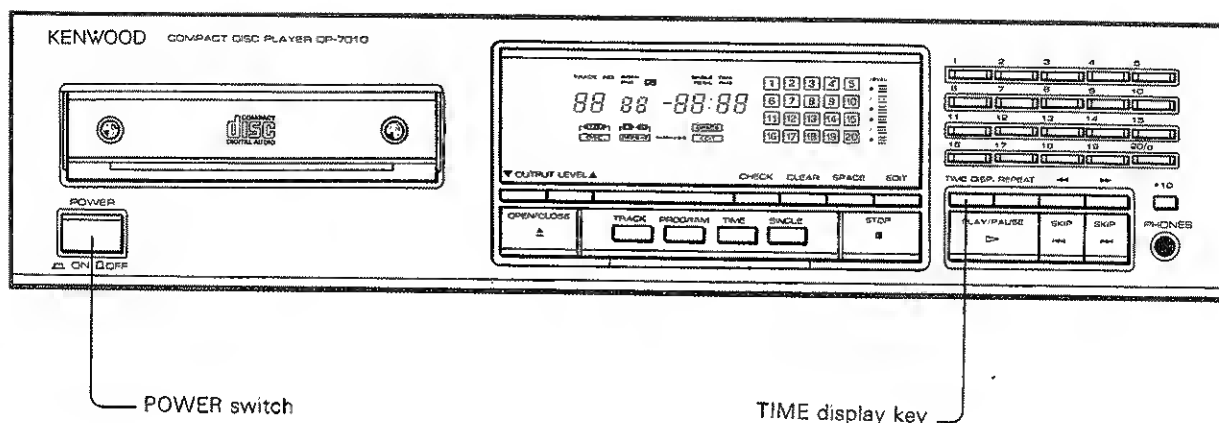
1. Press the SPACE key.

- The SPACE indicator lights, and an interval of about four seconds will occur after each track.
- The total required time is displayed with the intervals added.

2. To cancel, press the SPACE key again.



Time display switching and timer playing



Order of changing time display

- ① The elapsed time for the track

SINGLE TIME

1:23

- ② The remaining time for the track

SINGLE TIME

-2:37

- ③ The elapsed time for the whole disc (program)

TOTAL TIME

23:46

- ④ The remaining time for the whole disc (program)

TOTAL TIME

-36:15

Changing time display

Each time you press the TIME DISP. key during play or stop in any play mode, the time display changes in the order as on the left.

Note:

This player stores time information for up to 43 tracks stored in the disc. When discs having 44 or more tracks recorded on them are played, or when the total time of the program reaches 100 minutes or more, the time may not be displayed. In such a case the display may show ---:--.

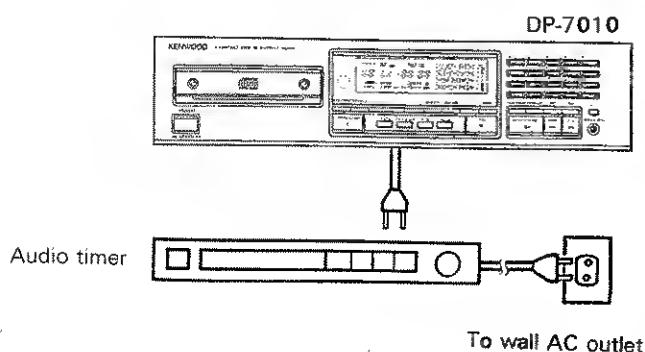
Timer playing

Plug the CD player's AC power plug into the audio timer. Load a disc. Leave the CD player's power switch turned on and set the audio timer to the desired time.

- Play will begin from the first track on the disc. (The track mode is selected automatically when the power turns on.)

Notes:

1. Refer to the instruction manual for the timer.
2. Be careful of your amplifier volume setting when using an audio timer.



.....

Figure 1